



CHESTER PIONEER SERVO

Features:

- Servo-driven ballscrew feed on all three axes
- Vertical and Horizontal Spindle
- Combined vertical and horizontal milling in one machine
- Inverter-driven variable spindle speeds with digital readout
- Swivelling vertical head for angled work
- Traversing and swivelling overarm for horizontal milling
- Electromagnetic spindle brake for instant stops
- Automatic lubrication to guideways and head
- Hardened and ground spindle assembly for lasting accuracy

Model	Pioneer Servo
Working Surface	1470 x 370mm
T-Slots (Qty/Width)	3/18mm
T-Slot Pitch (Centres)	80mm
X-Axis Travel (Manual)	1130mm
X-Axis Travel (Automatic)	1120mm
Y-Axis Travel (Manual)	610mm
Y-Axis Travel (Automatic)	570mm
Z-Axis Travel (Manual)	440mm
Z-Axis Travel (Automatic)	420mm
Load Capacity	450kg
Table Swivel Range	N/A
Spindle (Vertical)	
Spindle Taper	NST40
Speed Control	Variable
Speed Range	60-3600rpm
Spindle Centre to Column	185-785mm
Spindle Nose to Table	98-538mm
Quill Travel	140mm
Drawbar	M16
Head Swivel Range	±45°
Spindle (Horizontal)	
Spindle Taper	NST50
Speed Control	9-step
Speed Range	60-1440rpm
Spindle Centre to Table	8-432mm
Drawbar	M24
Feed Rates	
Number of Feeds	Variable
X-Axis (Longitudinal)	30-3000mm/min
Y-Axis (Cross)	30-3000mm/min
Z-Axis (Vertical)	960mm/min
X-Axis Rapid Traverse	3000mm/min
Y-Axis Rapid Traverse	3000mm/min
Z-Axis Rapid Traverse	960mm/min
Motor/Type	
Vertical Spindle Motor/Inverter Geared + Belt	3.73kW (5hp), 4-Pole
Horizontal Spindle Motor/Geared + Belt	5.59kW (7.5hp), 4-Pole
Feed Motor X Axis/Servo	0.75kW (1.0hp)
Feed Motor Y Axis/Servo	0.75kW (1.0hp)
Feed Motor Z Axis/Servo	0.85kW (1.0hp)
Coolant Motor	0.09kW (0.125hp), 2-Pole
Weight and Dimensions	
Machine Dimensions	2070 x 2050 x 2600mm
Net Weight	2700kg



Standard Accessories:

- Variable Speed Spindle Head
- 3 Axis Digital Readout
- 3 Axis Power Feed
- LED Work Lamp
- Coolant System
- Spindle Guard
- Air Powered Drawbar
- Chip Tray/Collector
- Manual Lubrication System
- Toolbox
- Operation Manual

Optional Accessories:

- Table Guard
- Automatic Lubrication System
- Semi Universal Dividing Head
- Fully Universal Dividing Head
- Rotary Table
- Slotting Head
- Machine Vice
- Clamp Kit
- Drill Chuck
- ER Milling Collet Chuck Set
- Boring Head
- Reducing Sleeve Set
- Combination Shell End Mill Arbors
- Long Milling Arbors
- End Mill Set
- Angle Plate
- Tilting Angle Table
- Right Angle Attachment

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.